

WHAT IS CLAIMED IS:

1. A fluid pressure control circuit, comprising:
 - a fluid pressure device which is operated by a fluid pressure;
 - a supply/discharge port through which a fluid is supplied/discharged;
 - a communication port which is connected to the fluid pressure device through a communication passage;
 - a control valve which controls the fluid pressure of the fluid pressure device by changing a flow amount of the fluid to be supplied to or to be discharged from the fluid pressure device through the communication port and the supply/discharge port, the flow amount of the fluid being changed by a change in a communication state between the communication port and the supply/discharge port according to movement of a valve element, the movement of the valve element being determined by a ratio between the fluid pressure to be introduced from the communication passage into a feedback chamber and, a predetermined pressure regulating load;
 - a circulation regulating mechanism that is provided in the communication passage, and regulates circulation of the fluid;
 - a first feedback chamber and a second feedback chamber which are provided in the control valve and which respectively apply the fluid pressure to the valve element in the same direction;
 - a first feedback passage which introduces the fluid to the first feedback chamber from a portion that is between the circulation regulating mechanism and the control valve in the communication passage; and
 - a second feedback passage which introduces the fluid to the second feedback chamber from a portion that is between the circulation regulating mechanism and the fluid pressure device in the communication passage.
2. The fluid pressure control circuit according to claim 1, wherein the circulation regulating mechanism causes a difference in the fluid pressure between the upstream side and the down stream side of the circulation regulating mechanism using a circulation resistance according to the flow amount of the fluid.
3. The fluid pressure control circuit according to claim 2, wherein the circulation

regulating mechanism is an orifice.

4. The fluid pressure control circuit according to claim 1, further comprising a second circulation regulating mechanism provided in the first feedback passage, for regulating circulation through the first feedback passage.

5. The fluid pressure control circuit according to claim 4, wherein the second circulation regulating mechanism is an orifice.

6. The fluid pressure control circuit according to claim 1, further comprising a third circulation regulating mechanism provided in the second feedback passage, for regulating circulation through the second feedback passage.

7. The fluid pressure control circuit according to claim 6, wherein the third circulation regulating mechanism is an orifice.

8. The fluid pressure control circuit according to claim 1, further comprising a solenoid valve that applies the pressure regulating load.

9. The fluid pressure control circuit according to claim 8, wherein the pressure regulating load is a signal hydraulic pressure controlled by a duty control of the solenoid valve.

10. The fluid pressure control circuit according to claim 8, wherein the solenoid valve is integrally provided with the control valve, and directly applies the pressure regulating load to the valve element.

11. A fluid pressure control circuit, comprising:
a fluid pressure device which is operated by a fluid pressure;
a supply/discharge port through which a fluid is supplied/discharged;
a communication port which is connected to the fluid pressure device through a communication passage;
a control valve which controls the fluid pressure of the fluid pressure device by

changing a flow amount of the fluid to be supplied to or to be discharged from the fluid pressure device through the communication port and the supply/discharge port, the flow amount of the fluid being changed by a change in a communication state between the communication port and the supply/discharge port according to movement of a valve element, the movement of the valve element being determined by a ratio between the fluid pressure to be introduced from the communication passage into a feedback chamber and, a predetermined pressure regulating load;

circulation regulating means provided in the communication passage, for regulating circulation of the fluid;

a first feedback chamber and a second feedback chamber which are provided in the control valve and which respectively apply the fluid pressure to the valve element in the same direction;

a first feedback passage which introduces the fluid to the first feedback chamber from a portion that is between the circulation regulating means and the control valve in the communication passage; and

a second feedback passage which introduces the fluid to the second feedback chamber from a portion that is between the circulation regulating means and the fluid pressure device in the communication passage.